OFFICIAL PROPOSALS

Bids—Feb. 6

Filtration Plant

Zelienople Borough, Pa.

The Council of Zelienople Borough, Pennsylvania, will receive bids for the furnishing of materials, labor and equipment and the construction of a water filtration plant, on the evening of Tuesday, February 6th, 1923, up until 7 o'clock p.m., Eastern Standard Time, at the Municipal offices in the Borough of Zelienople.

The work consists of 2-300,000 gallon-per-day mechanical filter units, with the accompanying auxiliary works, 1-350 gallon-per-minute motor driven centrifugal low-lift pump, and other equipment as per Plans and Specifications.

Any intending Bidder will be required to indicate to the satisfaction of the Engineers, or upon appeal to the satisfaction of the Municipal Council, that they have had experience in building work of this class, and to show their financial ability and give references as to past experience. Any Contractors inexperienced in the building of mechanical filtration plants or the structural work incidental thereto need not apply.

The work will be advertised in three parts, Part No. 1 being the structural work, Part No. 2 being the mechanical equipment, and Part No. 3 being a Venturi water meter, but the contract may be let as one contract depending upon the bids received.

Each Bidder will be required to furnish a Banker's Certificate or a satisfactory Bidder's Bond in the amount of ten per cent (10%) of the total amount of the bid, guaranteeing that he will enter into the contract precisely as originally prepared, provided said contract is awarded him.

The Contractor to whom the contract will be awarded will be required to furnish a satisfactory Bond on a satisfactory Bonding Company, in the amount of one hundred per cent (100%) of his total bid, said Bond to guarantee the faithful performance of the contract in all respects and the completion of said contract within the time specified or any extensions which might be granted thereto.

Plans, Specifications and Bidding Blanks may be received from the Engineers, Hudson & Myron, 808 Wabash Building, Pittsburgh, Pa., upon proper application, and a deposit of $10.00 may be required of any Bidder, subject to the presentation and return of said Plans, Specifications, etc. In case a Contractor receiving Plans does not offer a bid and returns the Plans in good condition, then $5.00 of the $10.00 will be refunded to him, the other $5.00 being retained to cover the cost of excessive sets of Plans. In case any Contractor, however, receiving Plans and data and submitting a bid, and in case all data, with Plans, is returned to the office in good condition, then said Contractor will be refunded the entire amount of $10.00. In case any Contractor receiving Plans and data and not returning the same within two (2) weeks' time after the opening of bids, then said Contractor will forfeit the entire amount of the deposit of $10.00.

The Borough Council reserves the right to reject any part or the total parts of all bids received.

WM. M. SEATON, President of Council,
EDWIN MEEDER, Secretry of Council,
Zelienople Borough, Pennsylvania.
HUDSON & MYRON, Engineers,
808 Wabash Building,
Pittsburgh, Pa.

Bids: March 5.

Paving

Hillsdale, Mich.

Bids will be received up to and including March 5th, 1923, at the office of the City Clerk, Hillsdale, Michigan, for the paving of parts of Railroad and Union Streets, approximately 5,496 square yards, brick, sheet asphalt or asphaltic-concrete.

Plans and specifications are on file in the office of the City Clerk, and the City reserves the right to reject any or all bids.

W. J. LA BARRE,
City Clerk.

Compensation Insurance

The intelligent handling of Workmen's Compensation Insurance is most essential to contractors. I have specialized in this business for twenty years and know how to handle insurance for the best interests of the contractors.

Alfred S. Hamilton
110 William St., New York

OFFICIAL PROPOSALS

Bids: Feb. 14.

Roads and Bridges

Richmond, Va.

Sealed bids will be received at the Office of the Virginia State Highway Commission, corner 10th and Marshall Streets, Richmond, Va., until 10:30 A.M., Wednesday, February 14th, 1923, for the construction of:

1.—(a) PROJECT 48-C, ROUTE 14—From Big Island to Snowden in Bedford and Amherst Counties, 5.2 Miles of 16 ft. Bit. Macadam roadway, involving approximately 16 Acres Clearing and Grubbing, 91,000 Cu. Yds. Excavation, 600 Lin. Ft. Vitrified Clay Pipe, 1250 Lin. Ft. Cast Iron Pipe, 560 Cu. Yds. Concrete Class "A" 84 Cu. Yds. Class "B" Concrete, 40,500 Lbs. Reinforcing Steel, 3900 Cu. Yds. Dry Rubble Masonry Retaining Wall, 8,160 Lin. Ft. Wooden Guard Rail, 952 Lin. Ft. Wooden Guard Rail with Steel Posts.

1.—(b) THREE BRIDGES OVER: Hunting, Battery and Peters Creeks, having total length of 190 ft. width of roadway 19 ft., involving approximately 346 Cu. Yds. Class "A" Concrete, 90 Cu. Yds. Class "B" Concrete, 66,330 Lbs. Reinforcing Steel.

2.—PROJECT 107 ROUTE 23—From Pearisburg toward Ripplemead in Giles County, 2.8 miles of 12 ft. Surface Treated Macadam Roadway, involving approximately 23,138 Cu. Yds. Excavation, 190 Lin. Ft. Vitrified Clay Pipe, 236 Lin. Ft. Cast Iron Pipe, 18 Cu. Yds. Class "B" Concrete, 28 Cu. Yds. Class "B" Concrete, 2269 Lbs. Reinforcing Steel, 700 Lin. Ft. Wooden Guard Rail.

3.—PROJECT 136-A, ROUTE 17—From Orange County Line 2.75 miles west in Greene County, approximately 2.75 miles of Bituminous Macadam roadway involving approximately 1 acre of Clearing and Grubbing, 10,647 Cu. Yds. Excavation, 290 Lin. Ft. Cast Iron Pipe, 114 Lin. Ft. Vitrified Clay Pipe, 19 Cu. Yds. Class "B" Concrete, 400 Lin. Ft. Wooden Guard Rail.

4.—PROJECT 135-C, ROUTE 17—From Barboursville to Green County Line in Orange County, 0.8 miles of 12 Bituminous Macadam road, involving approximately 5633 Sq. Yds. Bituminous Macadam.

5.—PROJECT F-178, ROUTE 1—From Clarksville to the North Carolina Line, in Mecklenburg County, 6.13 miles of 18 ft. Concrete Road, involving approximately 16 Acres Clearing and Grubbing, 43,400 Cu. Yds. Excavation, 782 Lin. Ft. Cast Iron Pipe, 654 Lin. Ft. Vit. Clay Pipe encased in concrete, 110 Cu. Yds. Class "A" Concrete, 100 Cu. Yds. Class "B" concrete, 9100 Lbs. Reinforcing Steel 2169 Lin. Ft. Wooden Guard Rail.

6.—(a) PROJECT 141-B, ROUTE 18—From 1.12 Miles South of Brookneal to Volens, 7.52 miles of Soil Roadway, involving approximately 19 Acres Clearing and Grubbing, 47,900 Cu. Yds. Excavation, 1057 Lin. Ft. Vitrified Clay Pipe, 53.6 Lin. Ft. Cast Iron Pipe, 2.55 Cu. Yds. Class "A" Concrete, 533 Cu. Yds. Class "B" Concrete, 20,823 Lbs. Reinforcing Steel, 2368 Lin. Ft. Wooden Guard Rail.

7.—(a) PROJECT S-158, ROUTE 1—The Streets of Clarksville in Mecklenburg County, 0.93 miles of 50 and 18 ft. Concrete Pavement, involving approximately 4000 Cu. Yds. Excavation, 282 Lin. Ft. Cast Iron Pipe, 850 Lin. Ft. Wooden Guard Rail, 2 Catch Basins, complete with Cover, 2 Drop Inlets, 5000 Lin. Ft. Combination Curb and Gutter.

8.—PROJECT 186-B, ROUTE 12 — The Bridge over Sandy River near Danville in Pittsylvania County, involving approximately 146.5 Cu. Yds. Class "A" Concrete, 39.3 Cu. Yds. Class "B" Concrete, 22,610 Lbs. Reinforcing Steel.

9.—PROJECT 192-C, ROUTE 3—From Station 43700 to Fairfield in Rockbridge and Augusta Counties, 11.07 miles of Bituminous Macadam roadway, involving approximately 2 Acres Clearing and Grubbing, 57,000 Cu. Yds. Excavation, 1,100 Lin. Ft. Cast Iron Pipe, 268 Lin. Ft. Vitrified Clay Pipe, 267 Cu. Yds. Class "B" Concrete, 17,500 Lbs. Reinforcing Steel.

9.—(b) BRIDGES over Marl and Christian Creeks, and the South River in Rockbridge and Augusta Counties, involving approximately 124 Cu. Yds. Class "A" Concrete, 347 Cu. Yds. Class "B" Concrete 25,515 Lbs. Reinforcing Steel.

10.—PROJECT F-221, ROUTE 4—From Tasley to a point 6 miles south in Accomac County, 6 miles of 18 ft. Concrete Roadway involving approximately 4 Acres Clearing and Grubbing, 13,119 Cu. Yds. Excavation, 23,800 Cu. Yds. Borrow Excavation, 633 Lin. Ft. Cast Iron Pipe.

11.—PROJECT F246-A, ROUTE 12Y—From Franklin to the North Carolina State Line, 7.86 miles of 18 ft. Concrete Roadway, involving approximately 10 Acres Clearing and Grubbing, 51,346 Cu. Yds. Excavation, 1078 Lin. Ft. Cast Iron Pipe, 440 Lin. Ft. Vitrified Clay Pipe encased in concrete, 75 Cu. Yds. Class "B" Concrete, 70 Cu. Yds. Class "B" Concrete, 4071 Lbs. Reinforcing Steel.

12.—PROJECT S268-A & B, ROUTE 4X—From Tasley to Onancock in Accomac County, 3.02 Miles 18 ft. Concrete Roadway, involving approximately 10,540 Cu. Yds. Excavation, 272 Lin. Ft. Cast Iron Pipe, 18 Cu. Yds. Class "A" Concrete, 57 Cu. Yds. Class "B" Concrete, 3388 Lbs. Reinforcing Steel.

13.—(a) PROJECT F225B, ROUTE 1—From Rappahannock River to Fredericksburg in Spotsylvania County—0.65 Miles of Concrete roadway, involving approximately 4791 Cu. Yds. excavation, 54 Lin. Ft. Cast Iron Pipe, 4 Cu. Yds. Class "B" Concrete, 1083 Lin. Ft. Wooden Guard Rail.

14.—PROJECT S225B, ROUTE 1—BRIDGE over Spotsylvania Power Company's Canal at Falmouth, Va., having total length of 77 ft. 6 in. Roadway 22 ft., involving approximately 184 Cu. Yds. Class "B" Concrete, 24,700 Lbs. Reinforcing.

15.—PROJECT S256, ROUTE 11—From Burke's Garden Siding to Tazewell in Tazewell County, 1.98 Miles of Bituminous Macadam roadway, involving approximately 13,508 Cu. Yds. of Excavation, 56 Lin. Ft. pipe, 234 Cu. Yds. Class "B" Concrete, 2296 Lin. Ft. Wooden Guard Rail.

(B) ALTERNATE BIDS ARE REQUESTED FOR SURFACE TREATED MACADAM.

A certified check or bidder's bond must accompany each bid. Amount of certified checks, as follows: Project F-48C—$5,000.00 (b) Bridges—$750.00. Project F.107—$3,500.00. Project F-136A—$3,250.00. Project F-135-C—$550.00. Project F-178—$5,000.00. Project F-141B—$3,000.00. Project S-158—$3,500.00. Project F-186B—$500.00. Project F-192C—$5,000.00 (b) Bridges—$750.00. Project F.221A—$5,000.00. Project F-246A — $5,000.00. Project S-268A & B—$5,000.00. Project F-225B Road $3,500.00. Bridge $350.00. Project S-256—$2,200.00. Amount of bidders bond 20% in excess of certified checks.

Plans and specifications are on file at the Office of the Virginia State Highway Commission, Corner 10th & Marshall Sts., Richmond, Va., and at the Offices of the following District Engineers: Project 48C, 141B and 186 at Lynchburg, Va., Project F-107 at Roanoke, Projects F-136A and F-135C at Culpeper, Va., Projects F-178 and S-158 at Richmond, Va., Projects F-192C at Staunton, Va., Projects F-221A, F-246A and S-268 at Suffolk, Va. Project F-225B and Bridge, Fredericksburg, Va., Project S-256 at Bristol.

Additional plans for bidders for the above projects can be obtained upon application to the State Highway Commissioner, upon receipt of $5.00 made payable to Mr. H. G. Shirley, Chairman, $2.50 of which will be refunded if plans are returned in good condition within two weeks after bids are opened, and bridge plans from W. F. Hobart, 805½ E. Franklin Street, Richmond, Va., to cost as follows: Project F-48C—$1.52, Project F-192C Bridges — $1.52, Project F-186B—$0.54.

Engineers will be at the following places to show prospective bidders over the projects: Projects F-48C at Big Island, Va., 11:00 A.M. Tuesday, January 30th, Project F-107, Friday, January 26th at the Pearisburg Hotel, Pearisburg, Va., at 9:30 A.M. Project F-135C and F-136A at Southern Railroad Station, Barboursville, Va., 10:00 A.M. Thursday, February 1st. Project F-141B, Brookneal Hotel, Brookneal, Va., 9:30 A.M. Friday, February 9th. Projects S-158 and F-178 at Clarksville Hotel, Clarksville, Va., at 9:30 A.M. Thursday, February 8th. Project F-186B, Burton Hotel, Danville, Va., 10:00 A.M. Thursday, January 25th. Project F-192C at Fairfield, 10:30 A.M. Wednesday, January 31. Project F-221, and S-268 at Railroad Station, Tasley, Va., 10:00 A.M. Tuesday February 6th. Project F-246 at Franklin Hotel, Franklin, Va., 10:00 A.M. Wednesday, February 7th. Project F-225B and Bridge, at the District En gineer's Office, Fredericksburg, Va., 10:30 A.M. Friday, February 2nd. Project S-256, County Engineers Office, Tazewell C. H., 12 noon, Thursday, January 25th.

The State Highway Commission reserves the right to reject any or all bids.

H. G. SHIRLEY, Chairman,
State Highway Commission

C. S. MULLEN,
Asst. Engr. Construction.
January 19, 1923.

OFFICIAL PROPOSALS

Bids: Feb. 6.

Ditch Improvements

Muscatine, Ia.

Notice is hereby given that sealed bids will be received by the undersigned for the Board of Supervisors of Muscatine County, Iowa, up to 2 o'clock P.M. on the 6th day of February, 1923, for the construction of ditch improvements in Sub-Districts Number 1 and 3 of Drainage District Number 2 of Muscatine County, Iowa, in accordance with the approved plans and specifications therefor on file in my office.

The proposed improvement in Sub-District Number 1 consists of excavating a ditch of the following dimensions:

Length	Bottom Width	Side Slopes	Approximate Cu. Yds.
3400	6	2 to 1	28,745
1000	6	1 to 1	2,433
5800	4	1 to 1	11,490
10200			42,668

The proposed improvement in Sub-District Number 3 consists of excavating ditches of the following dimensions:

	Length	Bottom Width	Side Slopes	Approximate Cu. Yds.
Main Ditch	5000	6	1 to 1	11,509
	6112	4	1 to 1	9,841
Wing Ditches	1800	3	1 to 1	1,200
	12912			22,550

Work in Sub-District Number 1 shall be commenced not later than April 1, 1923, and be completed not later than May 25, 1923.

Work in Sub-District Number 3 shall be commenced not later than June 1, 1923, and be completed not later than July 31, 1923.

Monthly estimates will be rendered for eighty per cent (80%) of the value of the work completed and paid in drainage warrants, bonds, or cash, and the total upon completion and acceptance of the work.

Cash or certified check equal to ten per cent (10%) must accompany bid.

Instruction and specifications are on file and open to inspection. Copies may be obtained from the undersigned or from C. H. Young, Chief Engineer, Central States Engineering Company, Muscatine, Iowa, upon a deposit of $5.00 to insure their return.

F. W. JOHNSTON,
County Auditor.
Muscatine County,
Muscatine, Iowa.

Bids: Feb. 14.

Hospital Construction Work

Marcy, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work, Farm Colony Building for 125 patients, at the Utica State Hospital, Marcy Division, Marcy, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 o'clock P.M., on Wednesday, February 14, 1923, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specifications Nos. 4028, 4029, 4031 and 4033. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Utica State Hospital, Utica, N. Y., at the New York Office of the Department of Architecture, Room 1058, 25 Broadway, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

L. M. FARRINGTON,
Secretary, State Hospital Commission.
Dated: January 16, 1923.

OFFICIAL PROPOSALS

Bids: March 12.

Sewers

New Castle, Pa.

Sealed proposals will be received at the office of the City Clerk, City Building, New Castle, Pa., up until 10:00 o'clock Monday morning, March 12, 1923, for the construction of the extension of the City of New Castle Main Sewer in the Seventh Ward from its present southern terminus to the site of the proposed Sewage Disposal Plant in Taylor Township. The work will consist of the construction of approximately 4840 feet of 48 in. circular sewer in open cut of which approximately 320 feet will be Class A Cast Iron Pipe, and the balance reinforced monolithic concrete, reinforced concrete pipe, or brick, as determined by the bids. In addition there will be approximately 720 feet of 10 in. vitrified pipe sewer, 880 feet of 8 in. pipe sewer of which 850 feet will be vitrified pipe and 30 feet Class A Cast Iron Pipe, a sewage ejector station complete with air compressors and 50 feet of 4 in. Class B Cast Iron force main, manholes, frames and covers and other miscellaneous work. The said work to be done in accordance with plans and specifications on file in the office of the City Engineer, New Castle, Pa., and in the offices of Fuller & McClintock, Consulting Engineers, 170 Broadway, New York City, copies of which may be had for a deposit of $10.00.

Each proposal to be accompanied by a certified check, or cash, in the sum of at least five per cent (5%) of the total of the bid submitted, which shall become the property of the City as liquidated damages in case the successful bidder fails to furnish bond and enter into a contract. Checks to be returned upon approval of the contract and bond by the City. Checks will be returned to unsuccessful bidders. A bond with approved security will be required of the successful bidder.

The City reserves the right to reject any or all bids.

C. ED. BROWN, City Clerk.

Bids: Feb. 14.

Reservoir and Pipe Lines

Wellsville, Ohio.

Sealed proposals will be received at the office of the Director of Public Service, Wellsville, Ohio, until 12 o'clock noon of Wednesday, February 14th, 1923, for constructing an earthen reservoir, capacity 140,000,000 gallons, and 3¼ miles of gravity pipe lines connecting with the City Water Works distribution system. Copies of specifications may be obtained from the Director of Public Service and copies of plans will be furnished by The W. J. Sherman Co., Engineers, 302 Produce Exchange Bldg., Toledo, Ohio, upon deposit with them of $10.00, of which sum one-half will be refunded if plans are returned to the Toledo office before March 1st, 1923.

T. R. SNOWDEN,
Director of Public Service.
Wellsville, Ohio,
January 15th, 1923.

OFFICIAL PROPOSALS

Bids: Feb. 14.

State Hospital Work

Kings Park, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work, Additions to Employees' Home, and also Fire Escapes, Buildings A, B, C and D, at the Kings Park State Hospital, Kings Park, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until three o'clock P.M., on Wednesday, February 14, 1923, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specifications Nos. 3974, 3975, 3976, 3977 and 4036. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Kings Park State Hospital, Kings Park, N. Y.; at the New York Office of the Department of Architecture, Room 1058, 25 Broadway, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

L. M. FARRINGTON,
Secretary, State Hospital Commission.
Dated: January 16, 1923.

Subcontractor

I want to sublet about 14,000 lineal feet of 8-in. reinforced concrete road, together with drains, curbs, headwalls, etc., to responsible outfit. Necessary plant is on job, and arrangements made for material supplies.

Excellent opportunity for a live man to make a quick clean up and have large part of his season to take other work.

CL-558, Engineering News-Record
10th Ave. at 36th St., New York City.

Comparing or "Knocking" There's a Difference

¶If you judge Swart Service side by side with any other Contract Bond and Compensation Insurance Service the result will be a contrast rather than a comparison—¶There are many reasons for this, each reason being a part of the intimate, painstaking care with which the whole case is handled. This begins with the mere filling in of the application through the complete investigation, after which the case is prepared and presented to the underwriters much the same as a lawyer prepares and presents a case to a judge. ¶It is simply a matter of making each one of the component parts so perfect that the result as a whole could not be other than a contrast rather than a comparison. ¶With the price the same as for the ordinary sort the advantage to you is the greater.

Swart Service Really Serves

HARMON V. SWART

Contract Bonds—Compensation Insurance
92 William Street, New York

CONTRACT BONDS FOR RESPONSIBLE CONTRACTORS

The Aetna can issue bonds more promptly because it employs expert engineering advisers.

ÆTNA CASUALTY AND SURETY COMPANY

HARTFORD, CONN. AGENTS EVERYWHERE

OFFICIAL PROPOSALS

Bids: Feb. 7.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock p.m. on Wednesday, February 7, 1923, for the improvement of highways in the following counties:

COLUMBIA.....(one highway: 2.70)
DUTCHESS.....(one highway: 1.33)
ERIE.....(two highways: 6.61 & 4.84)
HAMILTON.....(one highway: 10.07)
SARATOGA.....(two highways: 0.08 & 0.11)
SCHUYLER.....(one highway: 3.47)

Also for the reconstruction of the following:

FULTON.....(one contract: 1.50)
GREENE.....(one contract: 3.88)
MONTGOMERY.....(one contract: 4.00)
SARATOGA.....(one contract: 4.24)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the division engineers in whose division the roads are to be improved or reconstructed. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The special attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

HERBERT S. SISSON,
Commissioner.

J. C. FINCH,
Secretary.

Bids—Jan. 29

State Road Work

Hartford, Conn.

SEALED PROPOSALS will be received by the State Highway Commissioner, 12 Washington Street, Hartford, Conn., until 2 p.m., Monday, January 29, 1923 for the following sections of State work, in accordance with plans and specifications on file in the office of the State Highway Commissioner and at the following places:

TOWNS OF BETHANY-NAUGATUCK: About 24,880 linear feet of 3 inches bituminous macadam over 6 inch base on the Naugatuck-New Haven Road. NOTE: Bituminous material shall be either tar or asphalt. Local stone will be admitted for the base course only. The top course shall consist of trap rock. Specifications may be seen at the office of E. C. Welden. Division Engineer, 106 Elm Street, New Haven, Conn.

TOWNS OF CLINTON-KILLINGWORTH: About 36,650 linear feet of 4 inch trap rock macadam (waterbound) on the Clinton Killingworth Road. Specifications may be seen at the office of E. C. Welden, Division Engineer, 106 Elm Street, New Haven, Conn.

TOWN OF CROMWELL-MIDDLETOWN: The substructure and approaches for the new steel truss bridge over Little River on the River Road. NOTE: Cement and piles required for this work will be furnished by the State.

TOWNS OF CROMWELL-MIDDLETOWN: One through truss steel superstructure of about 154 foot span complete in place including concrete roadway. Plans and specifications for both of the above jobs at the office of R. W. Stevens, Division Engineer, 12 Washington Street, Hartford, Conn.

TOWN OF EAST HADDAM: About 20,600 linear feet of 7 inch waterbound macadam on Town Street. NOTE: Local stone of suitable quality will be admitted for this work. Plans and specifications at the office of R. W. Stevens, Division Engineer, 12 Washington Street, Hartford, Conn.

TOWN OF GUILFORD: The substructure and retaining walls for a new steel truss bridge over West River on the Shore Road. NOTE: The cement required for this work will be furnished by the State.

TOWN OF GUILFORD: One steel truss superstructure, of about 80 foot span complete in place including concrete road.

TOWN OF GUILFORD: About 11,470 linear feet of plain and reinforced cement concrete pavement on the Shore Road. NOTE: Cement for the above work will be furnished by the State. Plans and specifications for the above work at the office of E. C. Welden, Division Engineer, 106 Elm St., New Haven, Conn.

TOWN OF MANCHESTER: About 4,000 linear feet of 3 inch Sheet Asphalt Over 6 inch concrete base on South Main Street. NOTE: Cement for the above work will be furnished by the State. Plans and specifications at the office of R. W. Stevens, Division Engineer, 12 Washington St., Hartford, Conn.

TOWN OF ROCKY HILL: About 17,870 linear feet of plain cement concrete pavement on the River Road. NOTE: Cement for the above work will be furnished by the State. Specifications for the above work at the office of R. W. Stevens, Division Engineer, 12 Washington St., Hartford, Conn.

TOWN OF THOMASTON: About 14,400 linear feet of plain cement concrete pavement on the Thomaston-Waterbury Road. NOTE: Cement for the above work will be furnished by the State. Plans and specifications at the office of D. C. Loewe, Division Engineer, Winsted, Conn.

All bids must be accompanied by a surety company bond or a certified check not less than one-third of the cost of the work. The State Highway Commissioner reserves the right to reject any and all bids.

Dated at Hartford, Connecticut, January 15, 1923.

C. J. BENNETT.
State Highway Commissioner,
12 Washington St., Hartford, Conn.

Bids: Feb. 1.

Highway Work

, Raleigh, N. C.

Sealed bids for the construction of the following projects will be received by the North Carolina State Highway Commission at Raleigh, N. C., until 10:00 a.m., on the 1st day of February, 1923, when they will be opened and read:

Topsoil, Sand Clay or Gravel Projects including drainage pipe, structures, etc.

Project No.	County	Length (Miles)
107	Bertie	10.43
147	Hertford	17.36
363	Onslow	15.22
391-B	Robeson	1.10
403	Chatham	7.01
486	Wake	9.04
512	Caswell	11.67
555	Montgomery	20.55
752	Stokes	9.67
815	Cleveland	11.63

Macadam or Sand Asphalt Projects including drainage pipe, structures, etc.

Project No.	County	Length (Miles)
275	Sampson	13.80
991	Transylvania	7.31

Hard Surface Project including drainage pipe, structures, etc.

155-B	Martin	19.31
163	Nash	14.96
273	Sampson	2.44
391-A	Robeson	1.03
429	Granville	6.94
671	Rowan	7.34
743	Forsyth	11.35
Overhead Crossing.		
291-B	Wilson	

Specifications, proposal forms, etc., may be obtained from the State Highway Commission at Raleigh, N. C.

Plans may be seen in the Raleigh office, or in the offices of the District Engineers.

Bridge plans may be obtained from the State Highway Commission at Raleigh, N. C., upon PAYMENT of Five ($5.00) Dollars per set.

The right is reserved to reject any or all bids.

By order of the North Carolina State Highway Commission.

Bids: Jan. 29.

Sewer Work

Spring Lake, N. J.

The Mayor and Council of the Borough of Spring Lake, N. J., will receive sealed proposals until 8.00 p.m., Monday, January 29, 1923, for the construction of about 1,500 lineal feet of six inch and eight inch sewer and one man hole.

Plans and specifications can be examined at the office of the Borough Engineer, First National Bank Building, Spring Lake, N. J. Copies can be procured by depositing Ten ($10.00) dollars with the Engineer.

Certified check in 10% of amount of bid is required with proposal.

Right is reserved to reject any or all bids.

By order of the Mayor and Council.

JOHN M. BRALY,
Borough Engineer.

Spring Lake, N. J.

Bids: Jan. 30.

Gate-Valves and Hydrants

CONTRACT 213

New York, N. Y.

Sealed bids will be received by the Board of Water Supply at its offices, twenty-second floor, Municipal Building, Park Row, Centre and Chambers Streets, New York City, until 11 a.m., Eastern Standard Time, on Tuesday, January 30, 1923, for Contract 213, for furnishing and delivering gate-valves and hydrants for the Mt. Prospect, Park Slope, Fort Hamilton and Clove conduits and Narrows Siphon No. 2 of the Catskill Aqueduct, all as set forth in the specifications. All deliveries shall be made, with all transportation charges prepaid, at designated storage yards within the limits of the City of New York.

At the above place and time the bids will be publicly opened and read. Pamphlets containing information for bidders, forms of bid and contract, specifications, contract drawings, etc., can be obtained at the office of the secretary at the above address, by depositing the sum of ten dollars ($10) in cash or its equivalent for each pamphlet. For further particulars apply to the office of the Chief Engineer at the above address.

GEORGE J. GILLESPIE,
President.
JAMES P. SINNOTT,
PHILIP F. DONOHUE,
Commissioners, Board of Water Supply.
BENJ. F. EINBIGLER, Secretary.

Bids: Feb. 12.

Road Work

Salem, N. J.

Notice is hereby given that sealed bids will be received by the Road Committee of the Board of Chosen Freeholders of the County of Salem for the construction of the Pennsville-Salem Road, 2nd and 3rd sections, in the township of Lower Penn's Neck, in the County of Salem, with a Bituminous Macadam surface upon broken stone foundation, estimated amount of Bituminous Macadam surfaced pavement required is 33,356 square yards; and opened and read in public at the Court House in the City of Salem, N. J., on Monday, February 12, 1923, at 2 P.M., standard time.

Drawings, specifications and form of bid, contract and bond for the proposed work will be furnished by the County Engineer, H. B. Keasbey, Salem, N. J.

E. G. OCHS, Clerk.

U. S. GOVERNMENT

OFFICE OF CONSTRUCTING QUARTERMASTER, FORT BLISS, TEXAS.—Sealed proposals, in triplicate, will be received at this office until 10:00 a.m., February 1st, 1923, then publicly opened for drilling, casing and equipping complete, ready for operation, one eight inch well at Dona Ana Target Range, New Mexico. Plans and specifications furnished upon receipt of certified check for $10.00 to guarantee return.

U. S. ENGINEER OFFICE, CINCINNATI, O. Sealed proposals will be received here until 2 p.m., Feb. 12, 1923, and then opened, for furnishing and delivering structural steel, forgings, etc., for Ohio River Dams Nos. 36 and 38. Further information on application.

U. S. ENGINEER OFFICE, ROOM 608, ARMY BUILDING, NEW YORK CITY. Sealed proposals will be received here until 12 o'clock noon, February 10, 1923, and then opened, for constructing one concrete plotting room and switchboard room at Fort Tilden, Long Island, N. Y. Further information on application.

U. S. ENGINEER OFFICE, FLORENCE, ALABAMA.—Sealed proposals will be received here until 11 A.M., February 12, 1923, and then opened, for furnishing and delivering one electric generator of 937.5 kva. capacity with direct connected excited. Further information on application.

U. S. ENGINEER OFFICE, FLORENCE, ALA.—Sealed proposals will be received here until 11 A.M., February 17, 1923, and then opened, for furnishing displacement tanks for the regulating gates of Wilson Dam. Further information on application.

U. S. GOVERNMENT

U. S. ENGINEER OFFICE, CINCINNATI, O. Sealed proposals will be received here until 2 p. m. Feb. 8, 1923, and then opened for furnishing and delivering horses and props for Ohio River Dams Nos. 34, 36, and 38. Further information on application.

U. S. ENGINEER OFFICE, FLORENCE, ALA.—Sealed proposals will be received here until 11 A.M. January 27, 1923, and then opened, for the construction and delivery of four steel barges. Further information on application.

U. S. ENGINEER OFFICE, PITTSBURGH, PA.—Sealed proposals for building two two-story, seven-room lockkeepers' houses at Lock No. 6, Monongahela River, will be received at this office until 12 Noon, January 31, 1923, and then publicly opened. Information on application.

U. S. ENGINEER OFFICE, NASHVILLE, TENN.—Sealed proposals will be received here until 11 a.m., January 30, 1923, and then opened, for fourteen steel barges. Further information on application.

U. S. ENGINEER OFFICE, CINCINNATI, O. Sealed proposals will be received here until 2 p.m., Jan. 30, 1923, and then opened, for constructing, assembling, testing and delivering one dredging ladder for 24-inch pipe line dredge. Further information on application.

U. S. ENGINEER OFFICE, GALVESTON, TEX. Sealed proposals will be received here until 12 m., Feb. 1, 1923, and then opened, for dredging the Houston Ship Channel, Texas. Further information on application.

U. S. GOVERNMENT

SEALED PROPOSALS will be received and opened by the Director, U. S. Veterans Bureau, in the office of the Quartermaster General, 2306 Munitions Building, Washington, D. C., at 11 a.m., February 16, 1923, for construction of a 500 bed Neuro-Psychiatric Hospital to be erected for the U. S. Veterans Bureau at Camp Custer, Battle Creek, Michigan. The work will include the construction of about thirty buildings of reinforced concrete and brick, complete with sewer, water, heating and lighting systems, roads and walks. Plans and specifications may be obtained after January 16, 1923, from the Quartermaster General, Room 2306 Munitions Building, Washington, D. C., upon deposit of $100. One set of plans and specifications will be on exhibition at each of the following stations: Constructing Quartermasters at 39 Whitehall Street, New York, N. Y., Army Supply Base, Boston 9, Mass., and Quartermaster Supply Officers at 1819 West Pershing Road, Chicago, Ill., and Second and Arsenal Streets, St. Louis, Mo.

SEALED PROPOSALS will be opened by the Supt. of Lighthouses, Philadelphia, Pa., 2 p.m., Feb. 13, 1923, for building stone and reinforced concrete breakwater at Harbor of Refuge Light Station, Delaware Bay, Del. Information on application.

U. S. ENGINEER OFFICE, WILMINGTON, DEL.—Sealed proposals will be received here until 11 A.M., Feb. 24, 1923, and then opened, for constructing and delivering one steel quarter boat and two steel barges. Further information on application.

U. S. GOVERNMENT

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C. Jan. 17, 1923.—SEALED PROPOSALS will be opened in this office at 3 p.m., Feb. 7, 1923, for the Mechanical Equipment (exclusive of outside services, elevators, lighting fixtures and certain equipment) of the Administration Building and Mess Hall and Kitchen Building, at the U. S. Veterans' Hospital, Chelsea, N. Y. Specifications may be obtained at this office in the discretion of the Supervising Architect. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and who have established a record for expedition on contracts of similar character and magnitude. The fact that any concern obtains a set of the plans and specifications from any source whatever and submits a bid shall not constitute a waiver of the foregoing stipulations. Jas. A. Wetmore, Acting Supervising Architect.

U. S. ENGINEER OFFICE, FLORENCE, ALA.—Sealed proposals will be received here until 11 A. M., February 21, 1923, and then opened, for furnishing castings and other parts for the regulating gates of Wilson Dam. Further information on application.

U. S. ENGINEER OFFICE, WILMINGTON, DEL.—Sealed proposals will be received here until 11 A.M., Feb. 6, 1923, and then opened, for furnishing and delivering stone for repairs to the jetty at the mouth of Broadkill River, Del. Further information on application.

EMPLOYMENT

POSITIONS VACANT — POSITIONS WANTED

POSITIONS VACANT

CAPABLE detailer and checker of structural steel wanted for building and bridges, apply Richmond Structural Steel Co., Richmond, Va.

COMPRESSED air. Experienced inspectors wanted on masonry tunnel construction under high air pressure. Apply in person. Passaic Valley Sewerage Commissioners, 128 Market Street, Newark, N. J.

BRIDGE draftsman wanted by State Highway Commission in Middle West. About a year's experience in bridge or structural drafting required. Submit a sample of work with detailed statement of education and experience, age, and date available. Initial salary $150.00 to $175.00 per month. P-571, Eng. News-Record, Old Colony Bldg., Chicago, Ill.

DRAFTSMAN, experienced, wanted for structural steel buildings; apply by mail only, giving age, nationality, education, experience and salary expected. Post & McCord, 101 Park Ave., New York.

DRAFTSMAN wanted for map and topographical work; state age, experience, salary expected, submit sample of work and state how soon can report to Engineering Department, The Consolidation Coal Company, Fairmont, W. Va.

POSITIONS VACANT

DRAFTSMAN wanted by consulting engineering office, location North Carolina. College graduate preferred. Must be experienced and capable in reinforced concrete design and the design of water works, sewerage and sewage disposal systems. Some knowledge of small power plant design desirable. In replying send recent photograph and give full synopsis of training and experience, state salary expected and earliest date available. Others than thoroughly experienced designing draftsmen need not reply. P-505, Eng. News-Record, Real Estate Trust Bldg., Phila., Pa.

DRAFTSMAN, experienced detailers and checkers on shop drawings in connection with structural shop. Give age, experience, etc. Stupp Bros. B. & I. Co., St. Louis, Mo.

DRAFTSMEN. Engineering and Contracting Company recently organized, location New York City, wants draftsmen experienced in design of concrete and steel structures and conveying machinery. Good opening for men who can be developed for executive positions with expanding business. P-520, Eng. News-Record, 10th Ave. at 36th St., N. Y. C.

DRAFTSMEN on structural steel work wanted for buildings. Apply Hay Foundry & Iron Works, Newark, N. J.

POSITIONS VACANT

DRAFTSMEN, experienced (only) detailers and checkers on structural steel. State salary, experience, and when available first letter. Pittsburgh-Des Moines Steel Co., Des Moines, Iowa.

DRAFTSMEN, first class detailers and checkers for structural steel. Philadelphia vicinity. Only experienced men need apply. P-582, Eng. News-Record, Real Estate Trust Bldg., Phila., Pa.

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P-594, Engineering News-Record
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